

3 a plurality of molding units for producing pellets from a powder mixture by
4 compression molding mounted at equal intervals on a circle about the center of rotation of the
5 rotary disk; and

6 an insertion assembly station mounted at an appropriate position on a movement
7 path of the molding units for inserting the molded pellet into a case.

1 46. (New) A rotary type powder compression molding assembly system according to
2 claim 45, wherein the molding unit comprises:

3 a substantially cylindrical die;

4 a center pin mounted in the axial center of the die; and

5 a lower plunger and an upper plunger for compressing the powder mixture
6 supplied in an annular molding space defined between the die and the center pin, so that the pellet
7 is assembled into the case by being pushed up into the case located coaxially above the die at the
8 insertion assembly station by the action of both the lower plunger and the center pin and lowering
9 the center pin thereafter while the pellet is supported by the lower plunger.

1 47. (New) A rotary type powder compression molding assembly system according to
2 claim 45, wherein a plurality of the insertion assembly stations are provided so that the pellets
3 formed at each of the molding units located between the insertion assembly stations are inserted
4 into the case immediately after the compression molding at the next insertion assembly stations.

1 48. (New) A rotary type powder compression molding assembly system according to
2 claim 47, wherein the insertion assembly station is provided in a pair, and further comprises:

3 a case carrying-in means for feeding the cases into one insertion assembly station, a
4 series of case holding means for holding and conveying the cases loaded with the pellet to another
5 insertion assembly station; and

6 a case carrying-out means for removing the cases after being loaded with the pellet
7 at each insertion assembly station.

1 49. (New) A rotary type powder compression molding assembly system according to
2 claim 48, wherein each of the case holding means is mounted on the rotary disk corresponding to
3 each molding unit and is constructed to hold and retract the case loaded with the pellet at the first
4 insertion assembly station to its retracted position beside the molding unit, and to advance the
5 case to the movement path of the molding units at the next insertion assembly station.

1 50. (New) A rotary type powder compression molding assembly system according to
2 claim 48, wherein the case is held by a conveyor member, which is conveyed and positioned by
3 the actions of the case carrying-in means, the case holding means, and the case carrying-out
4 means.

1 51. (New) A rotary type powder compression molding assembly system according to
2 claim 48, wherein the case holding means is mounted to one end of an operating lever which is
3 mounted on the rotary disk corresponding to each molding unit, the operating lever being
4 rotatably connected to the rotary disk with a cam follower at the other end thereof engaged with a
5 cam disposed coaxially with the rotary disk, the cam having a retraction cam surface for holding
6 the case holding means at its retracted position beside the molding unit and an operating cam
7 surface for causing the case holding means to advance to and retract from the movement path of
8 the molding unit.